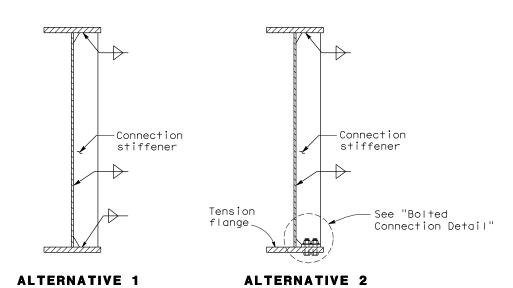


ALTERNATIVE 3 **BOLTED CONNECTION**



BOLTED CONNECTION

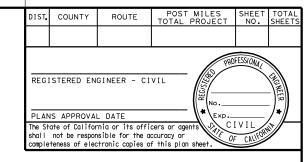
CONNECTION STIFFENER

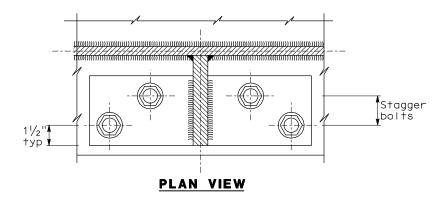
WELDED CONNECTION

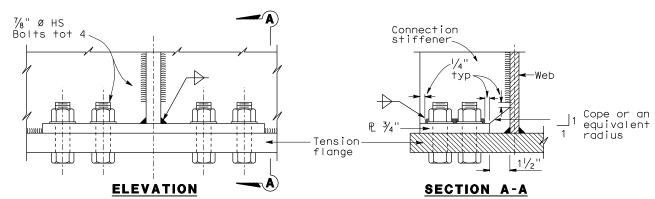
Cross Frame or Diaphragm not shown (One-side stiffener shown, other side similar)

NOTES:

- 1. For stiffener sizes see Project Plan sheets.
- 2. Fillet Weld size to be minimum size from Project Specifications unless otherwise shown on Project Plan sheets.
- 3. See Project Plan sheets for locations where where bolted connection is required.







BOLTED CONNECTION DETAIL

For $\frac{3}{4}$ " plate:

Width to be as drawn.

Length to be minimum to provide for installation clearance and 2 $\frac{5}{8}$ " c-c between adjacent bolts.

(remove this note before printing)

The weld between the connection stiffener and the flange or the tab plate shall be designed for lateral loads.

The bolts connecting tab plate and the flange shall be designed for lateral loads.

USERNAME => jpcannon

The detail sheets must define locations where

the bolted connection is required.

The detail sheets must define locations where the weld size required is larger than the minimum.

NO SCALE

ł	STANDARD DRAWING			STATE OF			BRIDGE NO.			
	FILE xs1-410-3	APPROVED BY Lian Duan RESPONSIBLE TECHNICAL SPECIALIST APPROVAL DATE 10-21-2009	RELEASED BY Susan Hida RESPONSIBLE OFFICE CHIEF RELEASE DATE		CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	POST MILE	STEEL G	GIRDER CONNECTION STIFFEN	ER DETAILS
Ī	DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. 01/11/08)			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU	DISREGARD PRIN		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

steel_xs1-410_11-18-0